

11-09-05

THW 1764  
Docket No. 9955/D01/AGS/LP

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Inventor(s): Mark Holst, Kent Carpenter, Scott Lane and Prakash V. Arya  
Title: EFFLUENT GAS STREAM TREATMENT SYSTEM HAVING UTILITY FOR OXIDATION  
TREATMENT OF SEMICONDUCTOR MANUFACTURING EFFLUENT GASES  
Serial No.: 09/970,613  
Filed: October 4, 2001  
Examiner: Thanh P. Duong  
Group Art Unit: 1764

Transmitted herewith is:

- ☒ PTO Form 1449;  
☒ Information Disclosure Statement with thirteen cited references;  
☒ Return Postcard.

FEE CALCULATION					
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	N/A	- 20 =	-0-	X \$50.00	\$0.00
Independent Claims	N/A	- 3 =	-0-	X \$200.00	\$0.00
Basic Filing Fee				\$790.00	\$0.00
TOTAL FEES					PAID

- ☒ The Commissioner is hereby authorized to charge \$180.00 to Deposit Account No. 04-1696.  
☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1696. A duplicate copy of this transmittal is enclosed.

☒ Please address all future correspondence to:  
**Customer # 41161  
Dugan & Dugan, PC  
55 South Broadway  
Tarrytown, NY 10591**

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

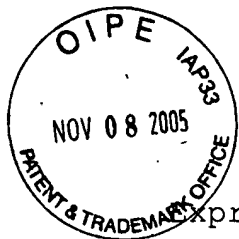
Express Mail Receipt No. EV605115704US

Date of Deposit: November 8, 2005

Signature: [Signature]

Respectfully submitted,

[Signature]  
Brian M. Dugan  
Registration No. 41,720  
(914) 332-9081



Express Mail Label No. EV605115704US

PATENTS  
9955/D01/AGS/LP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Mark Holst, et al.  
Serial No. : 09/970,613  
Filed : October 4, 2001  
For : EFFLUENT GAS STREAM TREATMENT SYSTEM HAVING  
UTILITY FOR OXIDATION TREATMENT OF  
SEMICONDUCTOR MANUFACTURING EFFLUENT GASES  
Group Art Unit : 1764  
Customer No. : 41161

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

11/10/2005 BABRAHA1 00000116 041696 09970613  
01 FC:1806 180.00 DA

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,  
applicants wish to call the attention of the Examiner to the  
following references:

Foreign Art Reference No. JP 03-65218 (Japan)  
Foreign Art Reference No. JP 07-10335 (Japan)  
Foreign Art Reference No. JP 04-209524 (Japan)

Foreign Art Reference No. JP 59082927 A2 (Japan)

Foreign Art Reference No. WO 96/16720 A1 (PCT)

Foreign Art Reference No. WO 99/02921 A1 (PCT)

Langan, John, et al., "Strategies for Greenhouse Gas Reduction", July 1996, Solid State Technology, pages 115-116, 118, 120, and 122.

Holmes, John T., et al., "Fluidized Bed Disposal of Fluorine", October 1967, I & EC Process Design and Development, Vol. 6, No. 4, pages 408-413.

Cady, George Hamilton, "Reaction of Fluorine with Water and with Hydroxides", Feb. 1935, J. Am. Chem. Soc., Vol. 57, pages 246-249.

Smiley, S.H., et al., "Continuous Disposal of Fluorine", May 27, 1953, Industrial and Engineering Chemistry, Vol. 46, No. 2, pages 244-247.

Streng, A.G., "The Fluorine-Steam Flame and Its Characteristics", June 1962, Combustion Flame, Vol. 6, pages 89-91.

Hardwick, Steven J., et al., "Waste Minimization in Semiconductor Processing", 1994, Mater. Res. Soc. Symp. Proc., Vol. 344, pages 273-278.


Hayakawa, Saburo, "Silane Gas Scrubber", Koatsu Gasu, 24(7), pg. 371-9, (1987).

Please charge deposit account No. 04-1696 in the amount of \$180.00 for consideration of this information disclosure statement under 37 C.F.R. § 1.97(c)(2).

These references are also listed on the accompanying Information Disclosure Statement (Form PTO-1449).

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully Submitted,



Brian M. Dugan, Esq.  
Registration No. 41,720  
Dugan & Dugan, PC  
Attorneys for Applicants  
(914) 332-9081

Dated: November 8, 2005  
Tarrytown, New York

U.S. Department of Commerce, Patent and Trademark Office  <div style="display: flex; align-items: center;"> <div> <p>OF RELEVANT ART CITED BY APPLICANT</p> <p>(Use several sheets if necessary)</p> </div> </div>				Docket No.: 9955/D01/AGS/LP		Serial No.: 09/970,613	
Applicants: Mark Holst, et al				Filing Date: October 4, 2001		Group: 1764	

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
	US-1						
	US-2						
	US-3						
	US-4						
	US-5						
	US-6						
	US-7						
	US-8						
	US-9						
	US-10						
	US-11						

Foreign Patent Documents							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	
	F-1	JP 03-65218	03/20/91	Japan		X		
	F-2	JP 07-10335	02/08/95	Japan		X		
	F-3	JP 04-209524	10/15/92	Japan		X		
	F-4	JP 59082927 A2	05/14/84	Japan		Abstract		
	F-5	WO 96/16720 A1	06/06/96	PCT		X		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
OT-1	Langan, John, et al., "Strategies for Greenhouse Gas Reduction", July 1996, Solid State Technology, pages 115-116, 118, 120, and 122.	
OT-2	Holmes, John T., et al., "Fluidized Bed Disposal of Fluorine", October 1967, I & EC Process Design and Development, Vol. 6, No. 4, pages 408-413.	
OT-3	Cady, George Hamilton, "Reaction of Fluorine with Water and with Hydroxides", Feb. 1935, J. Am. Chem. Soc., Vol. 57, pages 246-249.	

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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## U.S. Patent Documents

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	US-12						
	US-13						
	US-14						
	US-15						
	US-16						
	US-17						
	US-18						
	US-19						
	US-20						
	US-21						
	US-22						

## Foreign Patent Documents

## Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	F-6	WO 99/02921 A1	01/21/99	PCT			Abstract	
	F-7							
	F-8							
	F-9							
	F-10							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OT-4	Smiley, S.H., et al., "Continuous Disposal of Fluorine", May 27, 1953, Industrial and Engineering Chemistry, Vol. 46, No. 2, pages 244-247.
OT-5	Streng, A.G., "The Fluorine-Steam Flame and Its Characteristics", June 1962, Combustion Flame, Vol. 6, pages 89-91.
OT-6	Hardwick, Steven J., et al., "Waste Minimization in Semiconductor Processing", 1994, Mater. Res. Soc. Symp. Proc., Vol. 344, pages 273-278.

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	US-23						
	US-24						
	US-25						
	US-26						
	US-27						
	US-28						
	US-29						
	US-30						
	US-31						
	US-32						
	US-33						

## Foreign Patent Documents

## Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	F-11							
	F-12							
	F-13							
	F-14							
	F-15							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OT-7	Hayakawa, Saburo, "Silane Gas Scrubber", Koatsu Gasu, 24(7), pg. 371-9, (1987).
OT-8	
OT-9	

Examiner

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